

57-21 Barnstead/Thermolyne SterileMax 12-Inch Autoclave (Project 98-44) (4/99)

The Barnstead/Thermolyne SterileMax sterilizer is a fully-automated, microprocessor-controlled, tabletop autoclave with a 12-inch diameter by 18-inch deep, round, stainless-steel chamber. The SterileMax is a 115-volt model that draws 12.5 amps of current during operation and can be connected to a standard 115-volt, 20-amp receptacle. Microprocessor-controlled sterilization parameters are constantly monitored to assure proper sterilization for each programmed cycle. Five icon-marked programs are available on the sealed-membrane touchpad (e.g., wrapped, unwrapped, liquids, packs, optional). All sterilization parameters are user adjustable, digitally displayed, and recorded at one-minute intervals with the optional printer. The digital display(s) indicate cycle status during normal operation and display error messages and corrective actions if a cycle fails to meet the proper sterilization parameters. The autoclave measures 17 inches high by 22.4 inches wide by 24.5 inches deep and is UL/C-UL listed, IEC 601-1 inspected and ASME certified.



Manufacturer:

Barnstead/Thermolyne
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Dubuque, IA 52004-0797
(800) 553-0039
(319) 556-2241
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Suggested Retail Price:

SterileMax:
-with Optional Printer \$6,300
-without Printer \$5,670

Government Price:

SterileMax:
-with Optional Printer \$3,780
-without Printer \$3,402

ADVANTAGES:

- + Small footprint for a 12-inch tabletop autoclave.
- + Features five pre-set cycles (packs, wrapped, unwrapped, liquids, and an operator-defined cycle).
- + Microprocessor-controlled resident diagnostics continuously monitor sterilizer parameters and identify malfunctions.
- + Digital readout provides error messages and corrective actions if the sterilization fails during a cycle.
- + Adjustable drying time.+ Reservoir can be easily and completely drained for cleaning.
- + Operating and servicing instructions are clear, complete, and easy to understand.
- + Optional printer is available for documenting sterilizer parameters.
- + Three interlocks on the chamber door to protect the operator.
- + Large (7-liter) water capacity.

DISADVANTAGES:

- Sterilizer door must be opened to begin the drying cycle
- Printer uses a lot of paper during an average cycle; no take-up spool for the printer paper.

SUMMARY AND CONCLUSIONS:

The Barnstead/Thermolyne SterileMax operated as designed and met all the testing requirements of the DIS sterilizer checklist. It provides an increased chamber size while still maintaining a small footprint. The SterileMax model can accommodate four standard (8"x11"x1.5") and four half-size (8"x4.5"x1.5") dental instrument cassettes placed horizontally using an optional cassette-rack system. The sterilizer is best used in small clinics with one or two dentists or to supplement a large, floor-standing sterilizer. During the clinical evaluation, the SterileMax performed flawlessly and was evaluated by three clinical evaluators. Of the three evaluators, two awarded it an overall rating of "Good" and one rated it "Average."

The **Barnstead/Thermolyne SterileMax 12-Inch Autoclave** is rated **Acceptable** for use by the federal dental services.